

5-022.10 SAN JOAQUIN VALLEY - PLEASANT VALLEY

Basin Boundaries

Summary

The Pleasant Valley Subbasin is a portion of the San Joaquin Valley Groundwater Basin along the west side of the San Joaquin Valley, near the southern tip of Fresno County. The basin shape trends northwest, starting at the Kings-Fresno county line, and is surrounded throughout a majority of its perimeter by mountains of the coast range. The eastern boundary of the Subbasin is delineated by the strip of Pliocene sandstone shale that trends northwest from the Kettleman Hills. The Subbasin is mostly separate from the larger Westside Subbasin except for two areas on either side of the Gujarral Hills which connect the two Subbasins. The southern boundary is the Kings-Fresno county line. The basin boundary is defined by 7 segments discussed in detail below.

Segment Descriptions

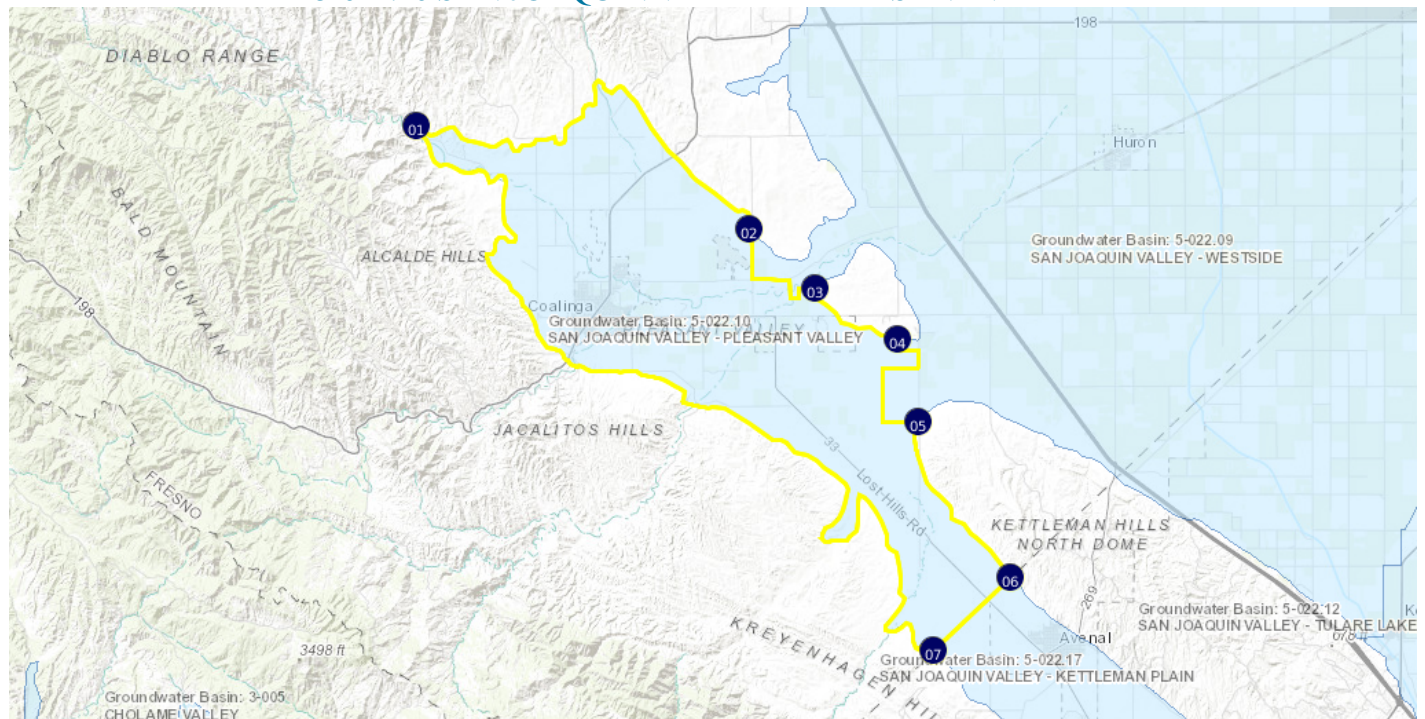
<u>Segment Label</u>	<u>Segment Type</u>	<u>Description</u>	<u>Ref</u>
1-2	^E Alluvial	Starts from point (1) and follows the boundary between the Quaternary alluvium and the less permeable Plio-Pleistocene deposits to point (2).	{a}
2-3	^I Water Agency	Continues from point (2) and follows the Westlands Water District boundary to point (3).	{b}
3-4	^E Alluvial	Continues from point (3) and follows the boundary between the Quaternary alluvium and the less permeable Plio-Pleistocene deposits to point (4).	{a}
4-5	^I Water Agency	Continues from point (4) and follows the Westlands Water District boundary to point (5).	{b}
5-6	^E Alluvial	Continues from point (5) and follows the boundary between the Quaternary alluvium and the less permeable Plio-Pleistocene deposits to point (6).	{a}
6-7	^I County	Continues from point (6) and follows the Fresno-Kings county line to point (7).	{c}
7-1	^E Non-Alluvial	Continues from point (7) and follows the boundary between the Quaternary alluvium and the less permeable rocks of the coast range and ends at point (1).	{a}

Significant Coordinates

<u>Point</u>	<u>Latitude</u>	<u>Longitude</u>	
1	36.213838292	-120.450697277	
2	36.172006712	-120.284617422	
3	36.148117934	-120.251877298	
4	36.127601415	-120.210328825	
5	36.094257599	-120.19996394	
6	36.031778131	-120.154444411	
7	36.002522442	-120.19256856	

Map

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<https://sgma.water.ca.gov/webgis/?appid=160718113212&subbasinid=5-022.10>

References

<u>Ref</u>	<u>Citation</u>	<u>Pub Date</u>	<u>Global ID</u>
{a}	California Geological Survey (CGS), Geologic Map of California, Geologic Data Map No. 2, C. W. Jennings, C. Gutierrez, W. Bryant, G. Saucedo, and C. Wills.URL: http://maps.conservation.ca.gov/cgs/gmc/	2010	43
{b}	California Department of Water Resources (DWR), Water Agencies Dataset.URL: https://gis.water.ca.gov/app/bbat/	2016	48
{c}	California Department of Forestry and Fire Protection (Cal Fire), California Counties and Paired Dataset (cnty15_1).URL: http://frap.fire.ca.gov/data/frapgisdata-subset	2/14/15	2

Footnotes

- I: Internal
- E: External